

FIG. 1

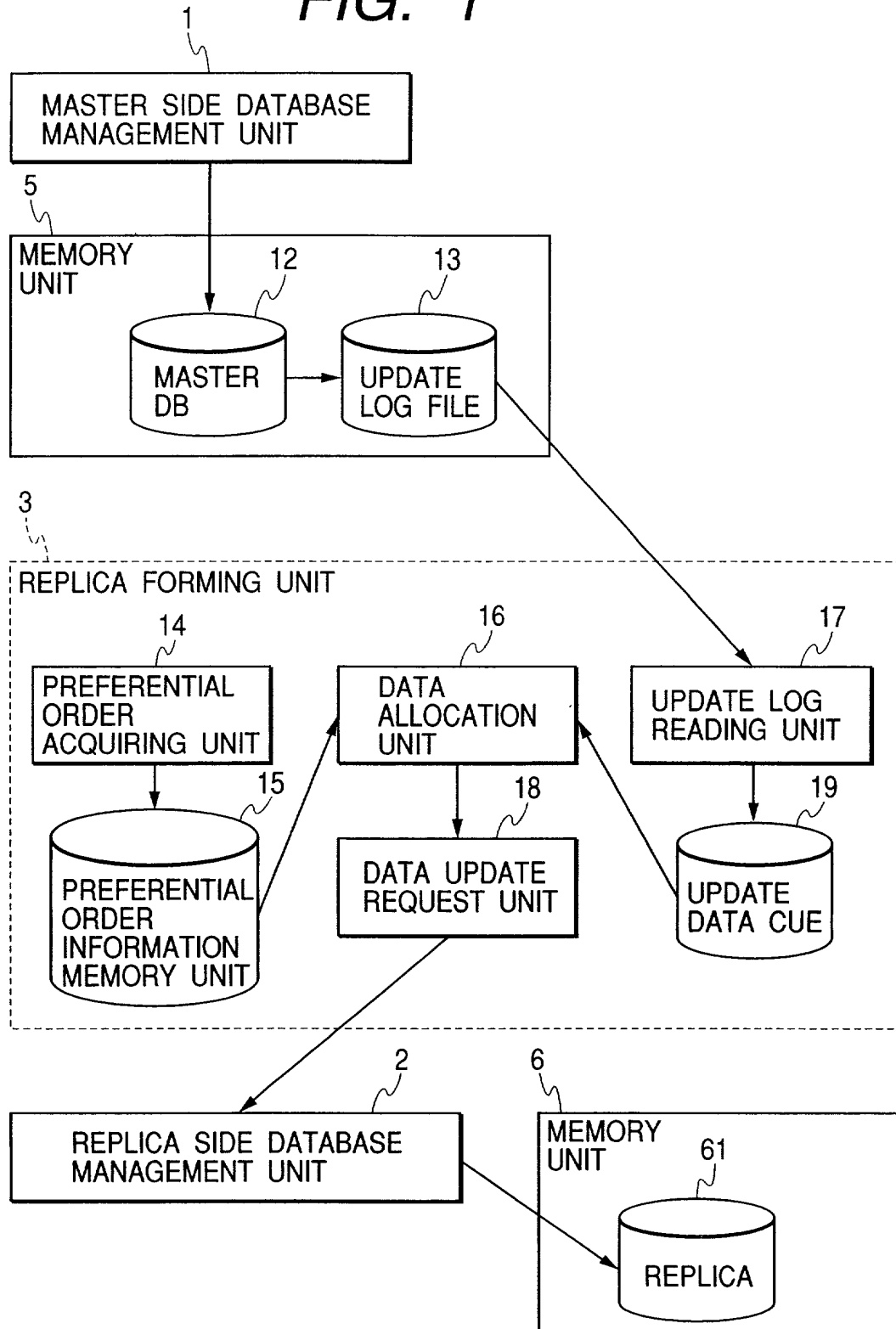
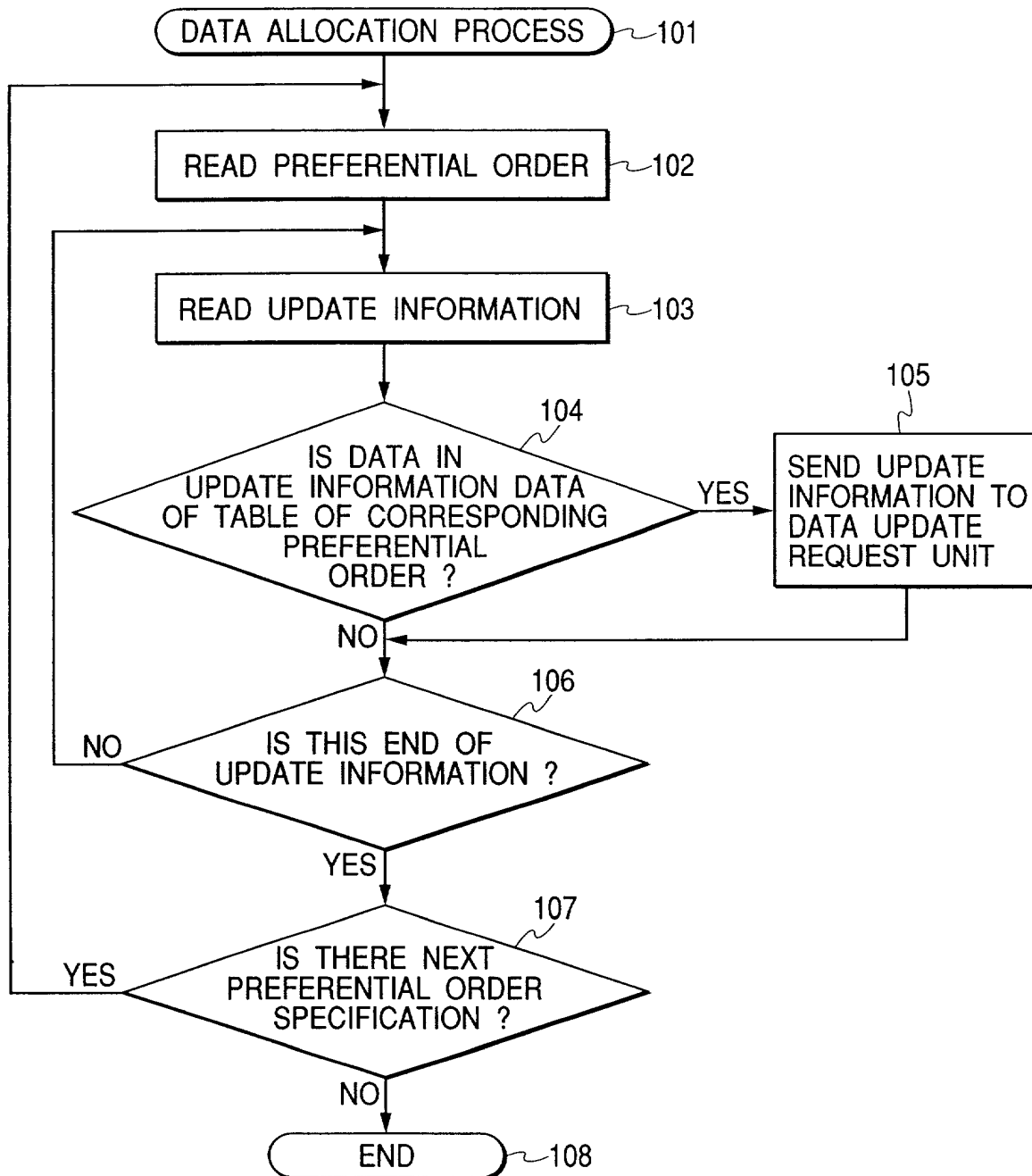
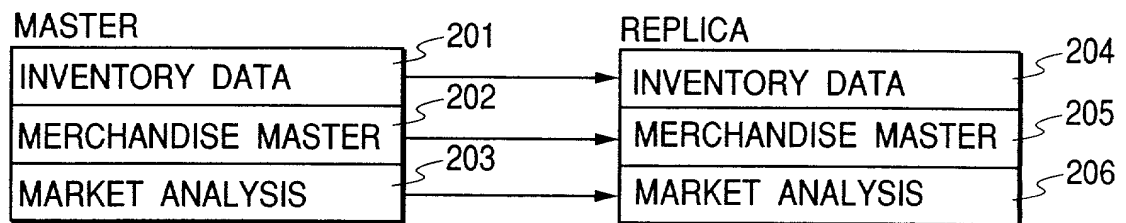


FIG. 2



**FIG. 3**

TABLES THAT ARE COMPONENTS OF DATABASE



EXTRACTION SIDE TABLE	REFLECTION SIDE TABLE	PREFERENTIAL ORDER
MASTER, INVENTORY DATA	REPLICA, INVENTORY DATA	1
MASTER, MERCHANDISE MASTER	REPLICA, MERCHANDISE MASTER	2
MASTER, MARKET ANALYSIS	REPLICA, MARKET ANALYSIS	3

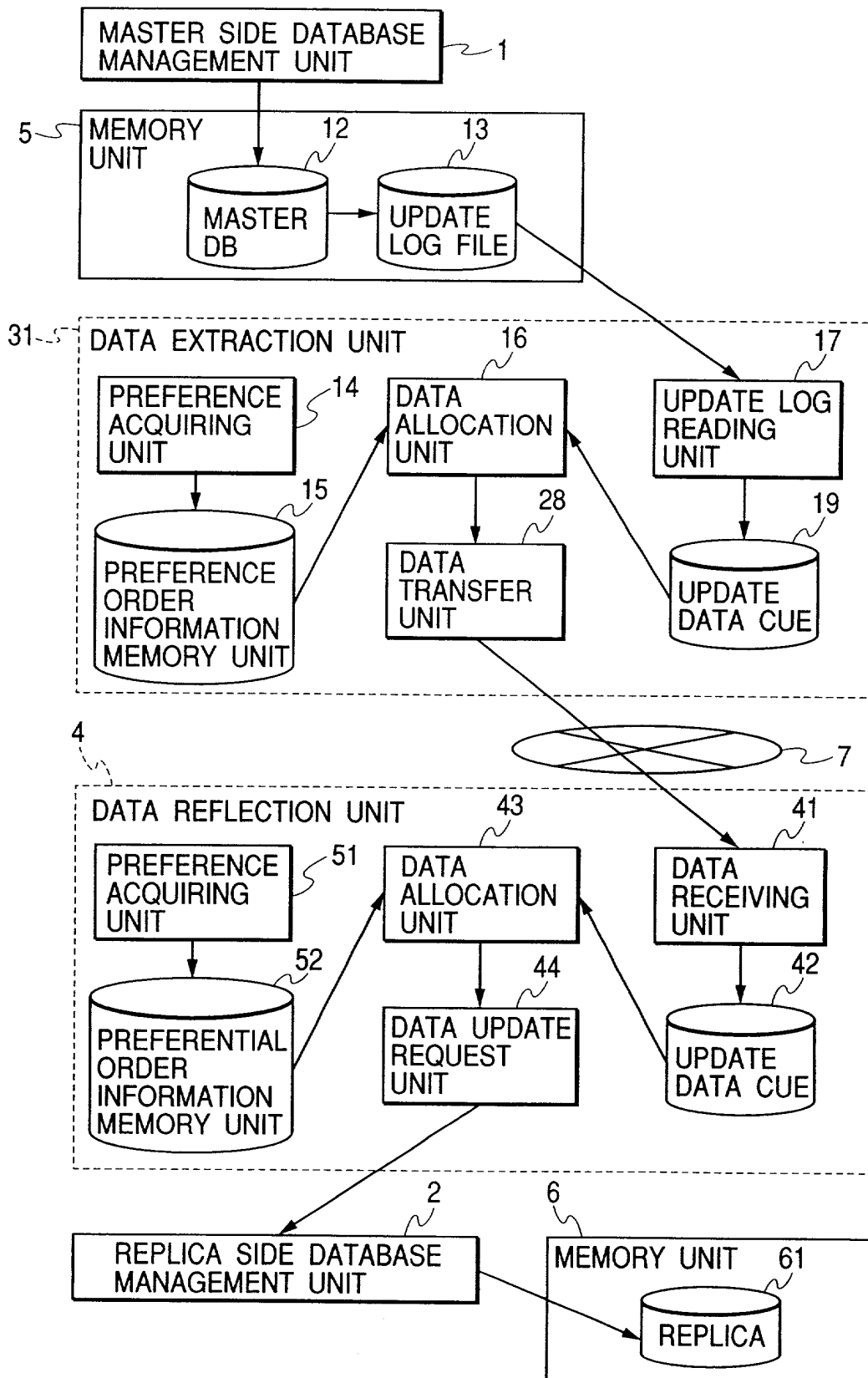


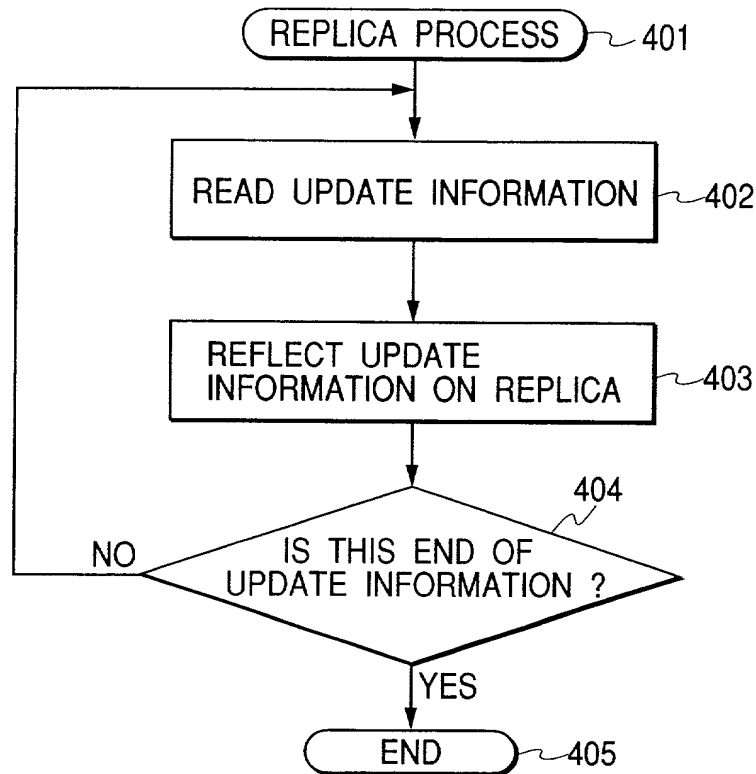
FIG. 5

INVENTORY DATA	301 MERCHANDISE CATEGORY	302 MERCHANDISE CODE	303 MERCHANDISE NAME	304 UNIT PRICE	305 INVENTORY
	A	0001	A REFRIGERATOR	100,000	15
	B	0002	B WASHING MACHINE	60,000	12
	C	0032	C CLEANER	30,000	21
	A	0230	B REFRIGERATOR	150,000	10

PREFERENCE SPECIFICATION a	311 REFLECTION TABLE	312 PREFERENTIAL KEY CONDITION	313 PREFERENTIAL ORDER
INVENTORY DATA		MERCHANDISE CATEGORY=A	1
		MERCHANDISE CATEGORY=B	2

PREFERENCE SPECIFICATION b	321 REFLECTION TABLE	322 PREFERENTIAL COLUMN	323 PREFERENTIAL ORDER
INVENTORY DATA		MERCHANDISE CATEGORY, MERCHANDISE CODE, INVENTORY	1
		MERCHANDISE NAME, UNIT PRICE	2

# FIG. 6 PRIOR ART



UPDATE INFORMATION DATA CONTENT

501 UPDATE TABLE NAME	502 UPDATE TYPE	503 RECORD INFORMATION
INVENTORY TABLE	UPDATE	MERCHANDISE CATEGORY: A, MERCHANDISE CODE: 0001, INVENTORY: 20
MERCHANDISE MASTER	UPDATE	MERCHANDISE CODE: 0022, UNIT PRICE: 120,000
INVENTORY TABLE	UPDATE	MERCHANDISE CATEGORY: B, MERCHANDISE CODE: 0032, INVENTORY: 32
MERCHANDISE MASTER	INSERT	MERCHANDISE CODE: C, MERCHANDISE NAME: C CLEANER, UNIT PRICE: 42,000

FIG. 7

